

We claim:-

1. A multilayer material for producing packaging, comprising at
5 least
- one film 1 of a polymeric material,
 - one print layer obtainable by printing or coating with a
packaging printing ink,
 - 10 • one further film 2,
- wherein said packaging printing ink comprises as binder at
least one hyperbranched polyester containing functional
groups selected from the group consisting of OH, COOH and
15 COOR groups.
2. A multilayer material as claimed in claim 1 wherein the print
layer is arranged between the two films.
- 20 3. A multilayer material as claimed in claim 1 or 2, wherein the
print layer is printed directly onto film 1 or film 2.
4. A multilayer material as claimed in any of claims 1 to 3,
wherein film 1 is a multilayer film.
- 25 5. A multilayer material as claimed in any of claims 1 to 4,
wherein film 1 is a film selected from the group consisting
of polyethylene, polypropylene, polystyrene, polyester, and
polyamide films.
- 30 6. A multilayer material as claimed in claim 5, wherein film 1
is a polar film selected from the group consisting of PET,
PEN, and polyamide films.
- 35 7. A multilayer material as claimed in any of claims 1 to 6,
wherein a further film 2 is a film selected from the group
consisting of polymer films, including metallized polymer
films, and metal foils.
- 40 8. A multilayer material as claimed in claim 7, wherein film 2
is a polyolefin film.
9. A multilayer material as claimed in any of claims 1 to 8,
further comprising an odor barrier layer.
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10. A multilayer material as claimed in any of claims 1 to 9,
further comprising one or more adhesive layers.
11. A multilayer material as claimed in any of claims 1 to 10,
5 further comprising at least one varnish layer as primer or
protector.
12. A multilayer material as claimed in claim 11, wherein the
varnish layer comprises as binder at least one hyperbranched
10 polyester containing functional groups selected from the
group consisting of OH, COOH and COOR groups.
13. A multilayer material as claimed in any of claims 1 to 12,
wherein the hyperbranched polyester contains COOH and OH
15 groups.
14. A packaging printing ink for flexographic and/or gravure
printing, at least comprising at least one solvent or a
mixture of different solvents, at least one colorant, at
20 least one polymeric binder, and, optionally, additives as
well, wherein at least one of the polymeric binders is a
hyperbranched polyester containing functional groups and the
functional groups are selected from the group consisting of
OH, COOH and COOR groups.
- 25 15. The use of a packaging printing ink as claimed in claim 14
for printing polymer films or metal foils.
16. The use of a packaging printing ink as claimed in claim 15
30 for producing multilayer materials.
17. A printing varnish at least comprising at least one solvent
or a mixture of different solvents, at least one polymeric
binder, and, optionally, additives as well, wherein at least
35 one of the polymeric binders is a hyperbranched polyester
containing functional groups where the functional groups are
selected from the group consisting of OH, COOH and COOR
groups.
- 40 18. The use of a printing varnish as claimed in claim 17 for
priming polymer films or metal foils or as a protective
layer.
19. The use of a printing varnish as claimed in claim 18 for
45 producing multilayer materials.

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